

Protocol PSF MX User Meeting on ZOOM 2023-09-27

Time and Place: 4 pm Wednesday 27 Sep 2023 <https://ki-se.zoom.us/j/2552303941>

Participants: Martin Moche

§1 INFO: Next PSF MX User Meeting

Thursday 19 October starting 16:00.

§2 INFO: Diamond Light Source

The AP33 report and new 2-year Diamond BAG application was submitted on 22nd of September with twelve participant research groups in the Stockholm and Linköping area. Current MX29948 will last throughout AP34 ending 31 March 2024 and we asked for ten 8-hour shifts of MX, and three 8-hour shifts of SAXS, in the coming six-month period starting 1st of April 2024 (AP35).

Diamond offers both **Mail-in** and Rapid Access, where users can come to Diamond with samples to run on the instrument. Both services will be offered after [Rapid Access Proposal](#) granted via UAS with applications welcome anytime! This means that your research group can have more SAXS beamtime than our common share scheduled at <http://ki.se/en/mbb/psf-mx>.

We do have a couple of common SAXS events at B21 coming up in December 2023 and February 2024 and recently we successfully used mail-in option for SEC-SAXS and batch-mode SAXS. PSF can share small, barcoded, orange colored SAXS sample shipping holders that harbor one Eppendorf and eight PCR tubes for protein and we typically ship mail-in SEC-SAXS samples with 20 kg of dry ice using YSDS. SEC buffers are shared in 10x concentrated mode in Falcon tubes for mail-in SEC-SAXS.

§3 INFO: MAX IV

A half-year report on BioMAX results such as publications, PDB depositions, master and PhD theses, and conference proceedings from our MAX IV BAG was submitted on September 23, 2023.

§4 DECISION: Assign experimentalists

Light source	Beamline	Date	Duration	Start	Experimentalists
MAX IV	BioMAX	2023-10-06	24	09:00	<i>contact Martin</i>

Table 1. See also <http://ki.se/en/mbb/psf-mx>.

Please share sample information (UniprotID, heavy atoms, expression host) and approximate number of crystals asap after meeting.

§5 INFO: PSF MX updates

PSF MX shared three applications in response to SciLifeLab Technology survey 2023.

1. Adding [PReSTO](#) to [SciLifeLab, Integrated structural biology platform](#)
2. Adding [PSF MX](#) to SciLifeLab, Integrated structural biology platform.
3. Make [SONICC imaging](#) available at PSF MX

§6 INFO: PSF in iLab - https://karolinska.corefacilities.org/service_center/show_external/3663

- ✓ Please register your research group, students, postdocs, and project numbers in iLab.
- ✓ Visit <https://staff.ki.se/the-cfm-project-and-ilab> for guidance.
- ✓ Ask cfm-support@ki.se for help.